

PR 11-JAN-1999 US 09/227881, 07-MAY-1999 US 09/306828 P
THAI D NGUYEN, JON R POLANSKY, PU CHEN, HUA CHEN PC
C12N15/09, A61K31/573, A61K45/00, A61P27/06, C12N1/15, C12N1/19, PC

5225 CCCAGTATATATAACCTCTCTGGAGCTCGGGCATGAGCCAGCAAGG 5271

Db 181 CCAGTATATATAACCTCTCTGAGCTCGGCAATGACCAAGG 227

Search completed: January 27, 2006, 09:16:53
Job time : 1 secs

GenCore version 5.1.6
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OM nucleic - nucleic search, using sw model

Run on: January 27, 2006, 09:18:44 ; Search time 1 Seconds
(without alignments)
2.393 Million cell updates/sec

Title: US-09-227-881-34

Perfect score: 5271

Sequence: 1 atcttgctcagttacttc.....tcgggcatgagccagcaagg 5271

Scoring table: OLIGO NUC

Gapop 60.0 , Gapext 60.0

Searched: 1 segs, 227 residues

Word size : 50

Total number of hits satisfying chosen parameters: 1

Minimum DB seq length: 0

Maximum DB seq length: inf

Post-processing: Listing first 1 summaries

Database : fetch34rng.seq*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	227	4.3	227	1 AAA57515	Trabecular meshwor

ALIGNMENTS

RESULT 1

ID AAA57515 standard; DNA; 227 BP.

AC AAA57515;

DT 20-OCT-2000 (first entry)

DE Trabecular meshwork inducible glucocorticoid receptor gene fragment.

KW TIGR; trabecular meshwork inducible glucocorticoid receptor; promoter;

KW glaucoma; steroid sensitivity; progressive ocular hypertension;

OS Homo sapiens.

PN WO200042220-A1.

PD 20-JUL-2000.

PF 11-JAN-2000; 2000MO-US000559.

PR 11-JAN-1999; 99US-00227881.

PR 07-MAY-1999; 99US-00306828.

PA (REGC) UNIV CALIFORNIA.

PI Nguyen TD, Polansky JR, Chen P, Chen H;

XX WPI; 2000-491060/43.

XX Diagnosis, prognosis and treatment of glaucoma, based on detecting

PT specific polymorphisms in the promoter of the trabecular meshwork

PT inducible glucocorticoid receptor gene.

PS Claim 90; Page 119; 122pp; English.

The present sequence represents a fragment of a TIGR (trabecular meshwork inducible glucocorticoid receptor) gene. The specification describes a method for the diagnosis, prognosis and treatment of glaucoma, based on detecting specific polymorphisms in the promoter of the TIGR gene. The method is used for diagnosis and prognosis of glaucoma (of all types), steroid sensitivity and progressive ocular hypertension that leads to loss of vision. Glaucoma can be treated by administering an agent that binds to cis-acting elements within the TIGR promoter. The TIGR promoter (or other regulatory regions) can be used to express homologous or heterologous genes, particularly for tissue-specific expression of therapeutic transgenes for treating glaucoma, also to generate transgenic animals and in screening for compounds (specific modulators) with diagnostic or therapeutic potential. Fragments of the TIGR sequence can be used as amplification primers or probes, e.g. for isolating related sequences in non-human animals

Sequence 227 BP; 57 A; 61 C; 53 G; 56 T; 0 U; 0 Other;

Query Match 4.3%; Score 227; DB 1; Length 227;

Best Local Similarity 100.0%; Pred. No. 0; Mismatches 0; Indels 0; Gaps 0;

Matches 227; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 5045 AACTATTATTGGGGTATGGGTGATTAATTGGATGTTCTTTTAAAAAGAACTCCAAA 5104

Db 1 AACTATTATTGGGGTATGGGTGATTAATTGGATGTTCTTTTAAAAAGAACTCCAAA 60

Qy 5105 CAGACTTCTGGAAGTTATTTTCTAAGATTTGCTGGCAGCGTGAAGGCAACCCCTG 5164

Db 61 CAGACTTCTGGAAGTTATTTTCTAAGATTTGCTGGCAGCGTGAAGGCAACCCCTG 120

Qy 5165 TGCACAGCCCCCAGCCAGCTCAGCTGACCTGCTGCTTCCCCATGAAGGCTGCTG 5224

Db 121 TGCACAGCCCCCAGCCAGCTCAGCTGACCTGCTGCTTCCCCATGAAGGCTGCTG 180

Qy 5225 CCCAGTATATATAAACCCTCTGAGGCTCGGCGATGAGCCAGCAAG 5271

Db 181 CCCAGTATATATAAACCCTCTGAGGCTCGGCGATGAGCCAGCAAG 227

Search completed: January 27, 2006, 09:18:45
Job time : 1 secs

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OM nucleic - nucleic search, using sw model

Run on: January 27, 2006, 09:20:09 ; Search time 0.001 Seconds

(without alignments)
2393.034 Million cell updates/sec

Title: US-09-227-881-34

Perfect score: 5271
Sequence: 1 acccttgcagcttaccctc.....tcggagcatgagccagcaagg 5271

Scoring table: OLIGO_NUC
Gapop 60.0 , Gapext 60.0

Searched: 1 segs, 227 residues

Word size : 50

Total number of hits satisfying chosen parameters: 1

Minimum DB seq length: 0
Maximum DB seq length: inf

Post-processing: Listing first 1 summaries

Database : fetch34rnpbm.seq:*

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Match	Length	DB ID	Description
1	227	4.3	227	1	US-10-244-633-38

ALIGNMENTS

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RESULT 1
US-10-244-633-38
; Sequence 38, Application US/10244633
; Publication No. US2003068640A1
; GENERAL INFORMATION:
; APPLICANT: Nguyen, Thai D.
; APPLICANT: Polansky, Jon R.
; APPLICANT: Chen, Pu
; APPLICANT: Chen, Hua
; TITLE OF INVENTION: Nucleic Acids, Kits, And Methods For The Diagnosis,
; TITLE OF INVENTION: Prognosis And Treatment Of Glioma And Related
; TITLE OF INVENTION: Disorders
; FILE REFERENCE: 07425.0057.US01
; CURRENT APPLICATION NUMBER: US/10/244,633
; CURRENT FILING DATE: 2002-09-17
; PRIOR APPLICATION NUMBER: US/09/306,828
; PRIOR FILING DATE: 1999-05-07
; PRIOR APPLICATION NUMBER: US 09/227,881
; PRIOR FILING DATE: 1999-01-11
; NUMBER OF SEQ ID NOS: 38
; SOFTWARE: Microsoft Word 97
; SEQ ID NO 38
; LENGTH: 227
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-244-633-38

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Query Match      4.3%; Score 227; DB 1; Length 227;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 227; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 5045 AACTATTATGGGGTATGGGTGATGAATTAATGGATGTTCTTTTAAAGAAAGAACTCCAAA 5104
DB 1 AACTATTATGGGGTATGGGTGATGAATTAATGGATGTTCTTTTAAAGAAAGAACTCCAAA 60
QY 5105 CAGACTTCTGGAAGGTTATTTCTTAAGATCTTGCTGCGACGCGTGAAGGCAACCCCTG 5164
DB 61 CAGACTTCTGGAAGGTTATTTCTTAAGATCTTGCTGCGACGCGTGAAGGCAACCCCTG 120
QY 5165 TGCACAGCCCAAGCCAGCTCAGTGGCCACCTCTGCTTCCCAATGAAGGCTGCTG 5224
DB 121 TGCACAGCCCAAGCCAGCTCAGTGGCCACCTCTGCTTCCCAATGAAGGCTGCTG 180
QY 5225 CCCAGTATATTAATAAAGCTCTGAGAGCTGGGGCATGAGCCAGCAAGG 5271
DB 181 CCCAGTATATTAATAAAGCTCTGAGAGCTGGGGCATGAGCCAGCAAGG 227

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Search completed: January 27, 2006, 09:20:11
Job time : 1 secs